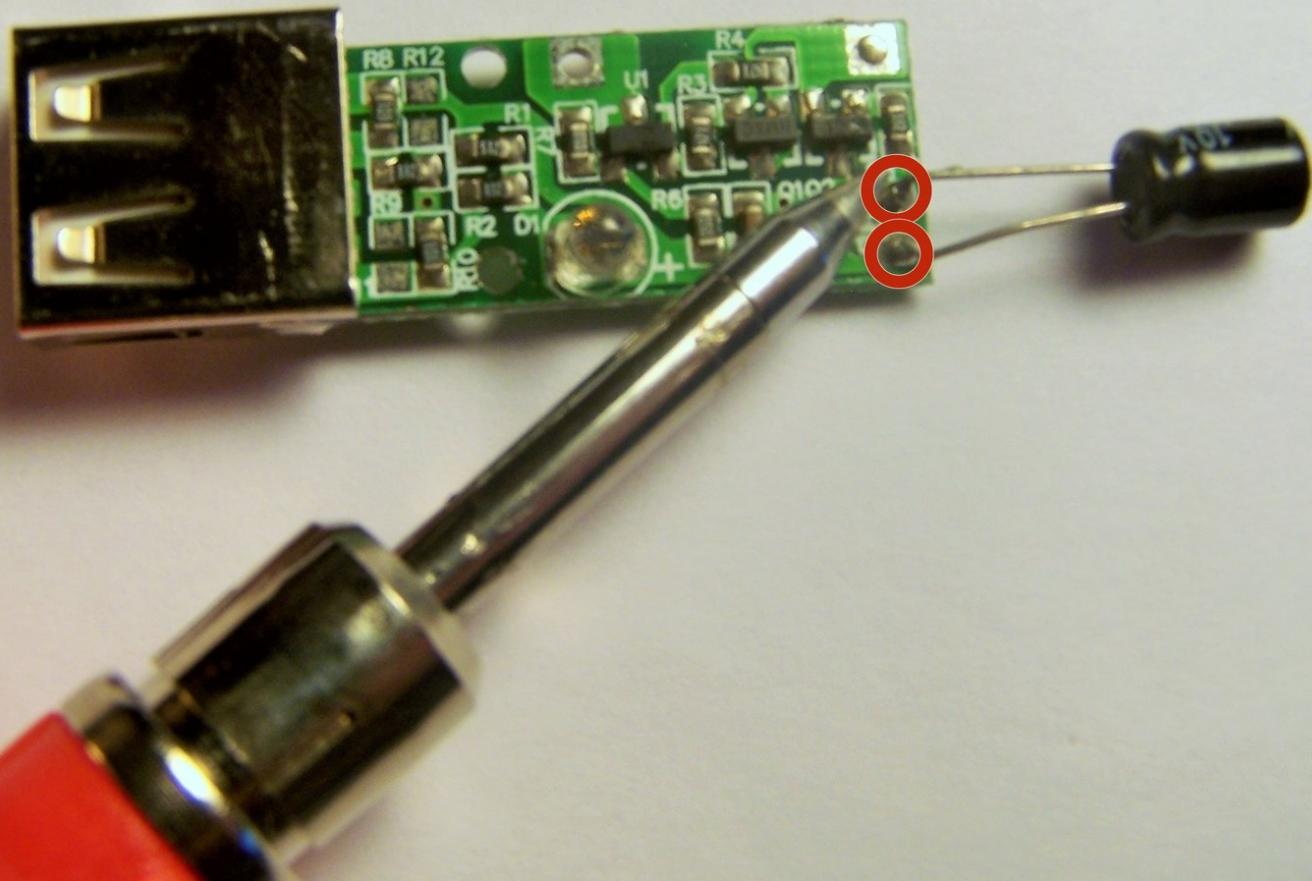




Nokero SunRay Pro Power Panel Capacitor Replacement

The P102 model comes equipped with a 100 microfarad capacitor. If your panel is not able to transfer a charge to your device, you may need to replace the capacitor.

Written By: Nicholas Orr



INTRODUCTION

Not being able to charge your device may mean you have a bad capacitor. Follow these simple steps to get yours replaced.

TOOLS:

- [Phillips #00 Screwdriver](#) (1)
- [iFixit Opening Tools](#) (1)
- [Soldering Iron](#) (1)

Step 1 — Front and Back Case



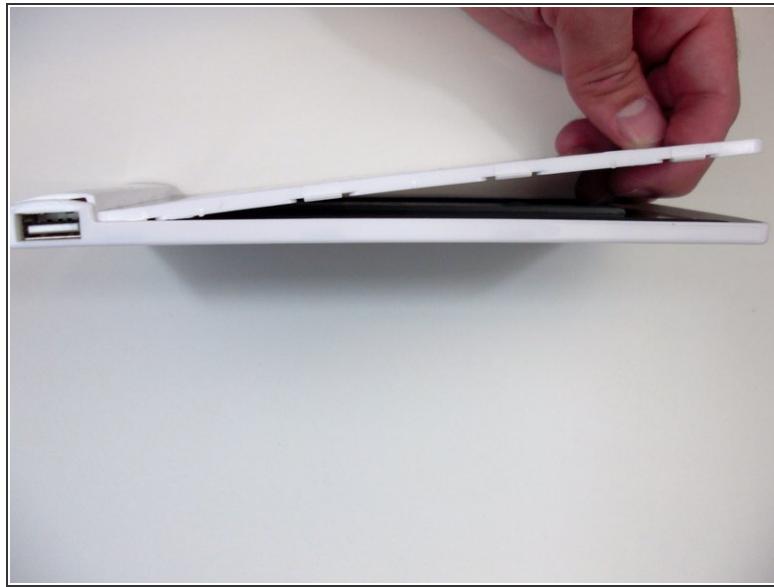
- Turn over the device so that the back of the device is facing up.

Step 2



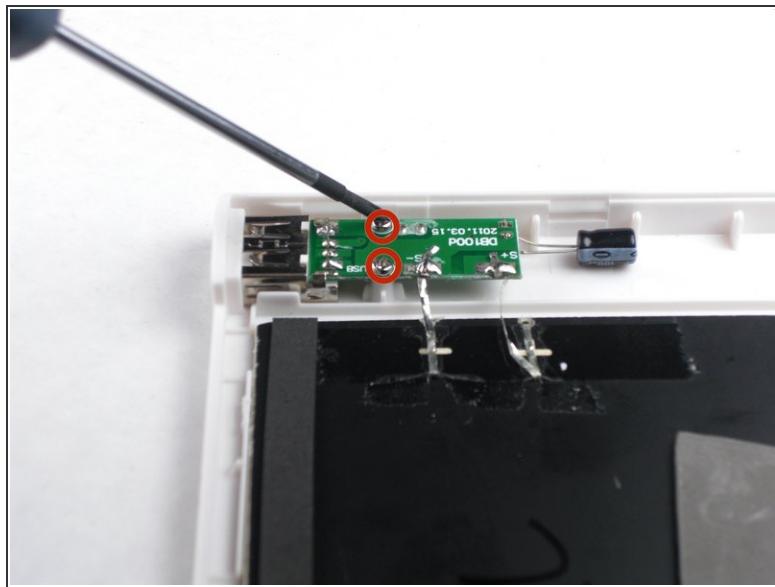
- Insert the first plastic opening tool along the side to pry open the case.
- Sliding the plastic opening tool, while inserted, along the seam may help the removal process.
- Use a second plastic opening tool to help separate the remaining seams.

Step 3



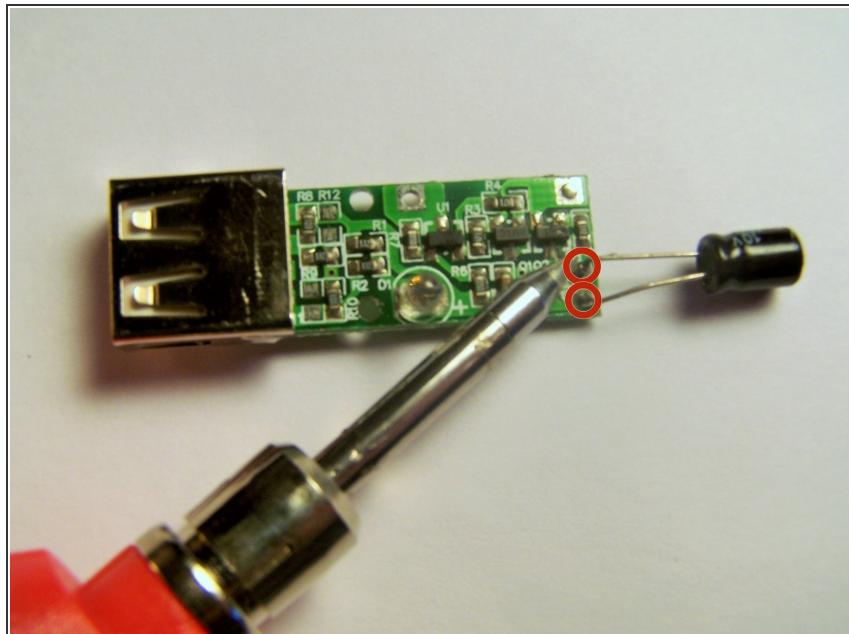
- ⓘ There is a long strip of double sided adhesive foam tape that prevents the back case from easily being removed.
- Pull the back case off by applying steady pressure to remove it from the adhesive foam tape.

Step 4



- Use the Phillips precision screwdriver to unscrew the two 5.0 mm Phillips screws from the circuit board.
- Remove the solar panel and circuit board from the front case.

Step 5 — Capacitor



- Use the soldering station to desolder the two contact points around the connections of the capacitor to loosen the metal.

Step 6



- Pull the capacitor through the circuit board to remove it.

To reassemble your device, follow these instructions in reverse order.